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(54) **Connector assemblies and daughter card assemblies configured to engage each other along a side interface**

(57) A connector assembly (100) is configured to engage a removable daughter card assembly (115) having leading and trailing ends (112, 114) and a side surface (116) extending therebetween. The connector assembly comprises a connector (106) and a guide assembly (108). The connector has a mating surface (107) including an array of connector terminals thereon. The mating surface interfaces with the side surface of the daughter card assembly when the daughter card assembly is moved to an engaged position, and the array of connector terminals are configured to engage an array (120) of card terminals (122) on the side surface when the daughter card assembly is moved to the engaged position. The guide assembly comprises a guide channel (136) and a cam member (143, 144) that slidably engages the guide channel to direct the daughter card assembly to an offset position. The side and mating surfaces form a non-orthogonal angle with respect to each other when the daughter card assembly is in the offset position such that card terminals proximate to the leading end and card terminals proximate to the trailing end are positioned at different distances away from the mating surface of the connector. The guide channel is configured to permit the daughter card assembly to be rotated about an axis of rotation such that the daughter card assembly moves

from the offset position to the engaged position where the side and mating surfaces are substantially parallel to each other.

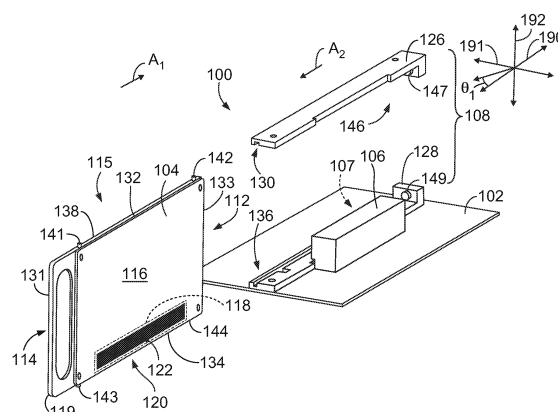


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
EP 11 15 9332

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Place of search The Hague		Date of completion of the search 24 June 2013	Examiner Schneider, Florian
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